

## Plug - UP 6/ 1 GNYE - 3060720

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Plug, Connection method: Screw connection, Number of positions: 1, Cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG: 24 - 8, Width: 8.2 mm, Height: 42.7 mm, Color: green-yellow

### Key Commercial Data

|                                      |                                                                                                       |
|--------------------------------------|-------------------------------------------------------------------------------------------------------|
| Packing unit                         | 50 STK                                                                                                |
| GTIN                                 | <br>4 046356 607926 |
| Weight per Piece (excluding packing) | 7.164 g                                                                                               |
| Weight per piece (including packing) | 7.164 g                                                                                               |
| Country of origin                    | China                                                                                                 |
| Note                                 | Made to Order (non-returnable)                                                                        |

### Technical data

#### General

|                                                                  |                                                       |
|------------------------------------------------------------------|-------------------------------------------------------|
| Number of positions                                              | 1                                                     |
| Number of levels                                                 | 1                                                     |
| Number of connections                                            | 1                                                     |
| Potentials                                                       | 1                                                     |
| Nominal cross section                                            | 6 mm <sup>2</sup>                                     |
| Color                                                            | green-yellow                                          |
| Insulating material                                              | PA                                                    |
| Flammability rating according to UL 94                           | V0                                                    |
| Maximum load current                                             | 41 A (with 6 mm <sup>2</sup> conductor cross section) |
| Rated surge voltage                                              | 8 kV                                                  |
| Degree of pollution                                              | 3                                                     |
| Overvoltage category                                             | III                                                   |
| Insulating material group                                        | I                                                     |
| Maximum load current                                             | 41 A (with 6 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub>                                   | 41 A                                                  |
| Nominal voltage U <sub>N</sub>                                   | 1000 V                                                |
| Open side panel                                                  | No                                                    |
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C                                                |

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## Technical data

### General

|                                                                         |        |
|-------------------------------------------------------------------------|--------|
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 125 °C |
| Static insulating material application in cold                          | -60 °C |

### Dimensions

|        |          |
|--------|----------|
| Width  | 8.2 mm   |
| Length | 21 mm    |
| Height | 42.7 mm  |
|        | 26.00 mm |
| Pitch  | 8.20 mm  |

### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Connection method                                                                       | Screw connection     |
| Connection in acc. with standard                                                        | IEC 61984            |
| Conductor cross section solid min.                                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                      | 6 mm <sup>2</sup>    |
| Conductor cross section AWG min.                                                        | 24                   |
| Conductor cross section AWG max.                                                        | 8                    |
| Conductor cross section flexible min.                                                   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                                   | 10 mm <sup>2</sup>   |
| Min. AWG conductor cross section, flexible                                              | 24                   |
| Max. AWG conductor cross section, flexible                                              | 8                    |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 6 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 6 mm <sup>2</sup>    |
| 2 conductors with same cross section, solid min.                                        | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                                        | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                                     | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                     | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 4 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 1.5 mm <sup>2</sup>  |
| Stripping length                                                                        | 10 mm                |
| Internal cylindrical gage                                                               | A5                   |
| Screw thread                                                                            | M3                   |
| Tightening torque, min                                                                  | 0.6 Nm               |
| Tightening torque max                                                                   | 0.8 Nm               |

## Plug - UP 6/ 1 GNYE - 3060720

### Technical data

#### Standards and Regulations

|                                        |           |
|----------------------------------------|-----------|
| Connection in acc. with standard       | IEC 61984 |
| Flammability rating according to UL 94 | V0        |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141151 |
| eCl@ss 9.0 | 27141151 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002021 |
| ETIM 5.0 | EC002021 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211802 |
| UNSPSC 7.0901 | 39121402 |
| UNSPSC 11     | 39121402 |
| UNSPSC 12.01  | 39121402 |
| UNSPSC 13.2   | 39121402 |

### Approvals

#### Approvals

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##### Approvals

VDE Gutachten mit Fertigungsüberwachung / IECEE CB Scheme / EAC / CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

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##### Ex Approvals

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##### Approvals submitted

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##### Approval details

# Plug - UP 6/ 1 GNYE - 3060720

## Approvals

|                                                                                                                           |         |
|---------------------------------------------------------------------------------------------------------------------------|---------|
| VDE Gutachten mit Fertigungsüberwachung  |         |
| mm²/AWG/kcmil                                                                                                             | 0.2-6.0 |
| Nominal voltage UN                                                                                                        | 1000 V  |

|                                                                                                   |         |
|---------------------------------------------------------------------------------------------------|---------|
| IECEE CB Scheme  |         |
| mm²/AWG/kcmil                                                                                     | 0.2-6.0 |
| Nominal voltage UN                                                                                | 1000 V  |

|     |
|-----|
| EAC |
|-----|

|                                                                                         |       |       |
|-----------------------------------------------------------------------------------------|-------|-------|
| CSA  |       |       |
|                                                                                         | B     | C     |
| mm²/AWG/kcmil                                                                           | 24-8  | 24-8  |
| Nominal current IN                                                                      | 50 A  | 50 A  |
| Nominal voltage UN                                                                      | 600 V | 600 V |

|                                                                                                   |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|
| UL Recognized  |       |       |
|                                                                                                   | B     | C     |
| mm²/AWG/kcmil                                                                                     | 24-8  | 24-8  |
| Nominal current IN                                                                                | 40 A  | 40 A  |
| Nominal voltage UN                                                                                | 600 V | 600 V |

|                                                                                                    |       |       |   |
|----------------------------------------------------------------------------------------------------|-------|-------|---|
| cUL Recognized  |       |       |   |
|                                                                                                    | B     | C     | D |
| mm²/AWG/kcmil                                                                                      | 24-8  | 24-8  |   |
| Nominal current IN                                                                                 | 40 A  | 40 A  |   |
| Nominal voltage UN                                                                                 | 600 V | 600 V |   |

|     |
|-----|
| EAC |
|-----|

## Plug - UP 6/ 1 GNYE - 3060720

### Approvals

cULus Recognized 

### Drawings

Circuit diagram



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